

PYQSide

NEET STRUCTURAL ORGANISATION IN ANIMALS — FROG: MORPHOLOGY AND ANATOMY — PYQS

Max. Marks: 56

Questions: 14

Section A (MCQ)

Q.1 Choose the correct statements regarding frog's anatomy:

Choose the correct answer from the options given below:

- A. Hepatic portal system is the special venous connection between liver and intestine.
- B. There are twelve pairs of cranial nerves arising from the brain.
- C. The ureters and oviducts open separately into the cloaca in female frogs.
- D. Hind-brain consists of cerebellum, medulla oblongata and optic lobes.
- E. Sinus venosus joins the right atrium of heart.

[NEET (UG) 2026]

- (1) B and D only (2) A, B and C only
- (3) B and C only (4) A, C and E only

Scan or tap for the full solution



Q.2 Male frogs can be distinguished from female frogs due to the presence of:

- A. Bulging eyes
- B. Vocal sacs
- C. Webbed digits in feet
- D. Copulatory pad on first digit of fore limbs
- E. Olive green-coloured skin with dark irregular spots

Choose the correct answer from the options given below:

[NEET (UG) 2026]

- (1) A and B only (2) C and E only
- (3) B and D only (4) B and C only

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Q.3 In water, frogs respire using _____.

[RE-NEET (UG) 2026]

- (1) trachea (2) skin
- (3) buccal cavity (4) lungs

Scan or tap for the full solution



Q.4 In frogs, the number of pairs of cranial nerves arising from the brain are _____.

[RE-NEET (UG) 2026]

- (1) 12 (2) 6 (3) 9 (4) 10

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Q.5 In frog, the Renal portal system is a special venous connection that acts to link:

[NEET (UG) 2025]

- (1) Kidney and intestine
- (2) Kidney and lower part of body
- (3) Liver and intestine
- (4) Liver and kidney

Scan or tap for the full solution



Q.6 Frogs respire in water by skin and buccal cavity and on land by skin, buccal cavity and lungs.

Choose the correct answer from the following :

[NEET (UG) 2025]

- (1) The statement is false for water but true for land
- (2) The statement is false for both the environments
- (3) The statement is true for water but false for land
- (4) The statement is true for both the environments

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Q.7 What is the name of the blood vessel that carries deoxygenated blood from the body to the heart in a frog?

[NEET (UG) 2025]

- (1) Pulmonary vein (2) Vena cava
- (3) Aorta (4) Pulmonary artery

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Q.8 Which of the following statements is correct about location of the male frog copulatory pad?

[NEET (UG) 2025]

- (1) Second digit of fore limb
- (2) First digit of the fore limb
- (3) First and Second digit of fore limb
- (4) First digit of hind limb

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Q.9 Select the correct route for the passage of sperms in male frogs :

[NEET 2017]

- (1) Testes → Vasa efferentia → Kidney
→ Seminal vesicle → Urinogenital duct
→ Cloaca
- (2) Testes → Vasa efferentia → Bidder's canal → Ureter → Cloaca
- (3) Testes → Vasa efferentia → Kidney
→ Bidder's canal → Urinogenital duct
→ Cloaca
- (4) Testes → Bidder's canal → Kidney →
Vasa efferentia → Urinogenital duct →
Cloaca

Scan or tap for the
full solution



Q.10 Frog's heart when taken out of the body continues to beat for some time. Select the best option from the following statements.

- A. Frog is a poikilotherm
B. Frog does not have any coronary circulation
C. Heart is "myogenic" in nature
D. Heart is autoexcitable

[NEET 2017]

- (1) D only (2) A and B only
(3) C only (4) C and D only

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Q.11 Compared to those of humans, the erythrocytes in frog are :

[AIPMT 2012 (Prelims)]

- (1) Without nucleus but with haemoglobin
(2) Very much smaller and fewer
(3) Nucleated and with haemoglobin
(4) Nucleated and without haemoglobin

Scan or tap for the
full solution



Q.12 Consider the following four statements (A–D) related to the common frog *Rana tigrina*, and select the correct option stating which ones are true (T) and which ones are false (F). Statements:

- A. On dry land it would die due to lack of O_2 if its mouth is forcibly kept closed for a few days.
B. It has four-chambered heart.
C. On dry land it turns uricotelic from ureotelic.
D. Its life-history is carried out in pond water.

[AIPMT 2011 (Mains)]

- (1) A-T, B-F, C-F, D-T (2) A-T, B-T, C-F, D-F
(3) A-F, B-F, C-T, D-T (4) A-F, B-T, C-T, D-F

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full solution



Q.13 Ureters act as urinogenital ducts in

[AIPMT 2011 (Mains)]

- (1) human males
(2) human females
(3) both male and female frogs
(4) male frogs

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Q.14 Frogs differ from humans in possessing :

[AIPMT 2011 (Mains)]

- (1) hepatic portal system
(2) paired cerebral hemispheres
(3) nucleated red blood cells
(4) thyroid as well as parathyroid

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ANSWER KEY

Ques.	1	2	3	4	5	6	7	8	9	10	11
Ans.	4	3	2	4	2	1	2	2	3	4	3
Ques.	12	13	14								
Ans.	1	4	3								